

REMARKS

The indication that claims 2-29, 31-34, 37, 38, 40, 41, 43, 58 and 60 are allowed is noted with appreciation.

Claims 30, 36, 39 and 42, 44-56 and 59 are rejected under 35 USC § 112, first paragraph, on the ground that the claims contain subject matter not described in a way as to enable one skilled in the art to make and/or use the invention. Claim 59 has been cancelled. Specifically claims 30, 36, 39 and 42, 44-56 are rejected under 35 USC § 112, first paragraph, on the ground that "crystalline material" is not described in the specification or in the claims originally filed. It is believed, however, to one skilled in the art that the specification clearly discloses "crystalline material" as a material for the elongated structure in these claims. Attached is an article entitled "Helical Microtubules of Graphitic Carbon," by Sumio Iijima, *Nature*, vol. 354, 7 November 1991, pp 56-58. As clearly shown in Fig. 4 of the article, carbon nanotubes are clearly made of crystalline material. This is also referred to in the article in at least two places:

Page 56, in the right column, the sentence at the end of the first full paragraph: "This low dimensionality and cylindrical structure are extremely uncommon features in inorganic crystals, although cylindrical crystals such as serpentine do exist naturally."

Page 58, the last sentence of the article: "The growth mechanism seems to follow a screw dislocation model analogous to that developed for conventional crystals, but the helical structure is entirely different from a screw dislocation in the sense that the present crystals have a cylindrical lattice."


The specification clearly discloses embodiments where elongated structures comprising carbon nanotubes are used. Therefore, to one skilled in the art, the specification clearly discloses "crystalline material" as a material for the elongated structure in these rejected claims.

CONCLUSION

In view of the amendments and remarks contained herein, it is believed that all pending claims 2-34, 36-56, 58 and 60 are in condition for allowance and an indication of their allowance

is requested. However, if the Examiner is aware of any additional matters that should be discussed, a call to the undersigned attorney at: (415) 318-1162 would be appreciated.

Respectfully submitted,


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